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(54) Title: COMPONENTS OF THE PRESENILIN-COMPLEX

(57) Abstract: The present invention is based on a novel direct interaction between a Presentilin and a novel protein identified herein and named Sambiasin-1, a homolog thereof named Sambiasin-2, as well as a protein complex further comprising a Nicastrin. Also comprised are uses of said components and complexes, as well as methods for use of the protein and the complex, inter alia, screening, diagnosis and therapy, as well as methods of preparing the complexes.







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	ata base consulted during the International search (name of data base		)
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C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT		
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X Fur	ther documents are listed in the continuation of box C.	Patent family members are listed	i in annex.
° Special c	ategories of cited documents:	"T" later document published after the int	ernational filing date
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	17 December 2003	05/01/2004	
Name and	f malling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
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(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT ategory Cliation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.				
Citation of document, with Indication, where appropriate, of the relevant passages	Field and the Committee			
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Interponal Aprication No PCT/EP 03/06704

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with Indication, where appropriate, of the relevant passages		Relevant to claim No.
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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This international Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: 14 (partially), 29, 38-40 because they relate to parts of the international Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  see FURTHER INFORMATION sheet PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This international Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this international Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 14 (partially), 29, 38-40

Present claim 14 relate to a compound defined by reference to a desirable characteristic or property, namely to an antibody which binds a protein complex comprising Sambiasin and Presentlin or Nicastrin, and which does not bind the first protein or the second protein when uncomplexed.

Present claims 29 and 38-40 relate to a compound defined by reference to a desirable characteristic or property, namely modulating the amount of, activity of, or the protein components of the protein complex.

The claims cover all compounds having this characteristic or property, whereas the application does not provide support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for any of them. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the claimed scope impossible.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.